

Method and device for controlling a low temperature heating system

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A low temperature central heating system offering individual room heating control. In each room there is a temperature selecting element $\ddot{A}19\ddot{U}$ and a temperature sensor $\ddot{A}18\ddot{U}$ that is coupled to a heating regulator $\ddot{A}22\ddot{U}$ within a thermal controller $\ddot{A}15\ddot{U}$. The controller has a PTC actuator stage that adjusts the position of a valve $\ddot{A}14\ddot{U}$ in the pipe through which hot water is pumped to the room radiators, depending on a temperature error. In operation the system carries out a programme to determine the characteristic data for the room and to determine the maximum mass flow-rate so that the system may be correctly balanced.

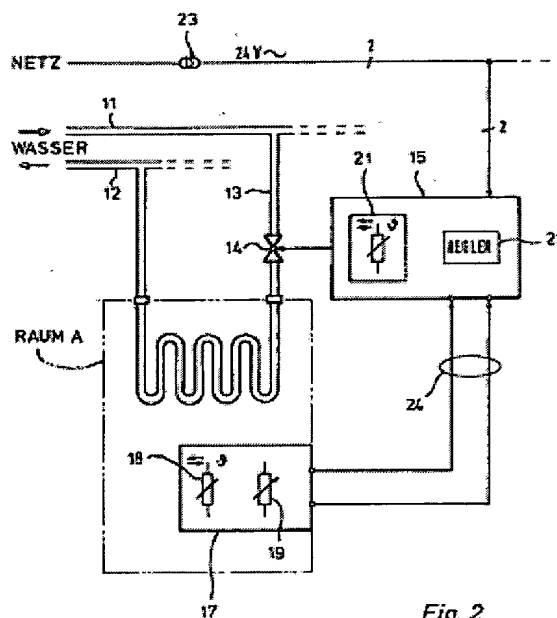


Fig. 2